

# 2016

## More enjoyment when watering



Irrigation



# GARDENA – Everything for the garden

High-quality products. Beautiful gardens.



## GARDENA – the full-range supplier

GARDENA provides everything you need to tend your garden and keep it looking great. Whether products for lawn-, tree- and shrub care, tools for soil cultivation, irrigation solutions or pumps.



## GARDENA – with system

The system concept characterises GARDENA's products. This principle is reflected in many product ranges: It makes handling simple, expands your options and conserves resources.



## GARDENA – in any season

With GARDENA products, you care for your lawn all year round and keep it in excellent shape – regardless of the season.

## GARDENA – your advantages

### 1. Quality

GARDENA products are known for their extremely high quality and reliability. The entire production chain is subject to the strictest inspection cycles and quality guidelines.

### 2. Innovation/Technology

GARDENA develops products that render garden work as easy and efficient as possible. That's why the product portfolio is continuously further developed and optimised – with the latest technology.

### 3. Ergonomics/Comfort

GARDENA places high value on the ergonomics of their products. They should lie comfortably in the hand and make garden work easier.

### 4. Service

Should your product require repair or maintenance, the GARDENA Service experts are there for you. More at [www.gardena.com](http://www.gardena.com)



# GARDENA Irrigation



## Transport water

When there's no rain, plants need to receive water by other means. With the Original GARDENA System, you take water directly from the tap and transport it, e. g. with a hose, to where it's needed.

More on page 4



## Distribute water

GARDENA has the right products for targeted irrigation of plants. Simply connect a nozzle or sprayer to the hose and water plants in pots or beds. For lawns e. g. the mobile sprinklers are well suited.

More on page 5



## Automatic garden

Water day and night, even while you're on holiday – you can easily set the time and duration with the GARDENA Irrigation System. Once installed, your garden is conveniently supplied with water.

More on page 6



## Irrigate with system

Watering your garden with a GARDENA Irrigation System relieves you of the task. The Sprinkler-system conveniently irrigates the lawn and the Micro-Drip-System is ideal for hedges, beds and greenhouses.

More on page 7



## Control water

With the GARDENA Irrigation Control Systems, you water your garden completely automatically. Simply set when you would like your garden to be watered and enjoy your free time.

More on page 9



## Pump water

Easily use water from cisterns, rain water tanks or wells for irrigating your garden – with the Pumps by GARDENA. There are also models suitable for draining and supplying water for domestic use.

More on page 10



## DID YOU KNOW...

That GARDENA solutions can save you heaps of stress and money, as they all fit together perfectly? You benefit from the fact that tools and elements can be combined in multiple ways.

# GARDENA Irrigation

Watering is important. Regardless of whether you would like to water by hand or by fully or partially automated means: With the GARDENA water supply, you choose minimum effort with maximum convenience.

## Why water?

Every garden and balcony owner wants a lush and healthy lawn, and thriving ornamental shrubs and flowers. When rain doesn't fall and plants thirst for water, you can lend a helping hand. Because the more regularly plants are watered, the more lushly they will bloom and thrive.

## When to water?

It's best to water in the early morning. The roots are better able to absorb the water before the midday heat arrives. When you water in the evening the soil remains moist for a long time. But careful: This makes it great territory for snails and fungal diseases.

## How to water?

To ensure that plants and lawn areas stay green and healthy even during longer dry periods or high temperatures, the right irrigation is vital. Regardless of whether you decide to traditionally water by hand or to use an automated system with greater convenience: GARDENA has the appropriate solution.

## How often?

Especially during the main growth period, plants need lots of water. Sufficient irrigation is important for plants growing in sunny or windy locations.

## Transport water

Making a proven product even better: with the new and frost-proof Original GARDENA System, the water is taken directly from the tap and transported – for example, with a hose – to the place where it is needed.



### 1 Tap Connector

For connection to the tap.  
Easy, problem-free handling without tools.

Article No. 18201

### 3 Extension Joint

To extend the hose. Also for changing from 19 mm (¾") to 13 mm (½") hoses.

Article No. 931

### 2 Hose Connector

A simple pull quickly releases the connection to the hose.

Article No. 18215

### 4 Water Stop

Disconnect = automatic water stop.  
Connect = water flow. Without a walk to the tap.

Article No. 18213



### Water Smart Flow Meter

Thanks to the GARDENA Water Smart Flow Meter, you can view the water consumption at a glance. That helps to save water and allows targeted irrigation of plants. It can be used as part of the Original GARDENA System at the tap, the sprayer, the sprinkler or the pump.

Article No. 8188

## High-quality hoses

Item description	 <b>Classic Hose</b> PVC garden hose with high-quality reinforcement. Secure use with the Original GARDENA System.	 <b>HighFlex Hose</b> Does not kink, tie itself in knots and twist. Slides easily. Extremely pressure-resistant and keeps its shape. Power Grip for the optimal connection between hose and hose connector.
Length	20 m	20 m
Usage	Medium use	Medium to heavy-duty use
Max. pressure	22 bar	30 bar
Warranty	12 years	25 years
Article No.	18002	18063

## Hose storage

	
<b>Classic Hose Trolley 60 TS</b> Convenient hose storage. Comfortable unwinding with any body height. With height-adjustable handle.	<b>Comfort Wall-Mounted Hose Box 25 roll-up automatic</b> For medium-sized gardens. Even unwinding of the hose. A more reliable, secure and automatic hose roll-up.
Article No. 8000	Article No. 8023

## Distribute water

Regardless whether you would like to water a potted plant on the patio or supply water to your lawn: GARDENA has the right product.

		 <span style="color: red; font-weight: bold;">New!</span>	
<b>Classic Cleaning Nozzle</b> For cleaning and watering with a fine mist. Infinitely adjustable water quantity. On/Off trigger with lock. Frost-proof. Hard jet, Fine mist.	<b>Classic Multi-Purpose Spray Gun</b> The luxurious all-rounder. For multi-farious irrigation- and cleaning tasks. Frost-proof. Sprayer, bubble jet, 9 point hard jet.	<b>Comfort Spray Lance</b> Ideal for watering and cleaning in difficult-to-reach places. Comfortable handling thanks to soft plastic elements. Pulse spray and lock. Soft spray, hard jet.	<b>Garden Shower solo</b> A GARDENA garden shower can be easily set up in the garden and provides wonderful refreshment on hot days.
Article No. 18301	Article No. 18313	Article No. 18334	Article No. 961

				
<b>Comfort Large-Area Irrigation AquaContour automatic</b> For angled surfaces. Can be programmed individually.	<b>Oscillating Sprinkler ZoomMaxx</b> For small to medium-sized areas.	<b>Classic Circular Sprinkler Samba</b> For round areas.	<b>Comfort Turbo-Drive Sprinkler</b> For large areas.	
Area coverage	max. 350 m <sup>2</sup>	max. 216 m <sup>2</sup>	max. 250 m <sup>2</sup>	max. 450 m <sup>2</sup>
Width of spray	2.5–9 m / 4–10.5 m range	3–max. 18 m adjustable range	Ø 3–max. 18 m range of spray	20°–360° sector distribution
Variable storage	–	max. 12 m	–	5–max. 12 m
Article No.	8133	8127	2060	8144

# GARDENA

## Automatic garden

Save time with intelligent technology and your automatic garden. Gardening can be made easier and you can use the time saved to e.g. spend more hours with your family or simply relax.

### Why an automatic garden?

You can leave your lawn on its own and enjoy your holiday without hassle. Because once you have installed the GARDENA Irrigation System, your plants will be conveniently supplied with the water quantity they need. And you'll save water because the irrigation times and quantities are optimally programmed. The GARDENA Irrigation System is reliable, works punctually and gives your plants the exact amount of water they need. Water less often, more regularly and sufficiently. Save resources, promote healthy growth of your plants and enjoy your beautiful garden. The GARDENA Irrigation System is unobtrusively sunk into the ground.

### Which system is right for me?

Choose an intelligent irrigation solution that perfectly suits your requirements. For simple applications, a Water Timer will suffice. For more complex tasks, you can use a modular Irrigation Control System. A Water Computer is recommended when the desire for comfort is a priority. With complex irrigation areas, a direct programming or modular Irrigation Control System is ideal. Choose your perfect solution and let it rain as often and as intensively as your plants require.



### GARDENA Sprinklersystem

The convenient pop-up irrigation of your garden. Thanks to permanently installed pop-up sprinklers, your lawn will be irrigated where it is needed. Automatic drain valves protect against frost.



### GARDENA Micro-Drip-System

Irrigation with drip heads. Evaporation is very low and the water is efficiently supplied. For flower- and vegetable beds, hedges or shrub rows, in greenhouses or for potted plants on patios.



### GARDENA Pipeline

Water – like electricity from the mains. The GARDENA Pipeline is installed below ground and with a hose you withdraw water where you need it.



### GARDENA Watering Controls

With the GARDENA Watering Controls, you determine when and for how long your garden is to be irrigated. Fully automatic – it couldn't be more convenient.



# Irrigate with system

## GARDENA Sprinklersystem

With the GARDENA Sprinklersystem, which is permanently installed underground, you irrigate your lawn conveniently using the pop-up function. Depending on the lawn shape, there are various pop-up sprinklers that distribute the water where it is needed. Once their work is finished, they disappear back into the ground.

### Selected GARDENA Sprinklersystem products

The underground system enables convenient irrigation of the lawn, leaving you more time to enjoy your garden.

\* The calculated coverage is dependent on the operating pressure (bar)! The data for the AquaContour were obtained with 4 bar, for all other pop-up sprinklers with 2 bar operating pressure at the sprinkler.



#### Circular sprinklers

Circular sprinklers are suited for watering a wide range of surfaces owing to the fact they can be separately combined in a network.



#### Pop-up Oscillating Sprinklers

For watering square and rectangular areas.



#### Large-Area Pop-up Sprinklers

Suitable for watering individual lawn shapes.



Connecting Point	Pop-up Sprinkler S80 (S-Sprinkler)	Turbo-driven Pop-up Sprinkler (T-Sprinkler)	Pop-up Oscillating Sprinkler OS 140	AquaContour automatic
For the underground supply of water to the GARDENA Sprinklersystem.	Recommended for areas up to 150 m <sup>2</sup> . Sprinkling range can be adjusted from 2.5–5 m. Infinitely variable sector setting between 5–360°.	Recommended for areas up to 150 m <sup>2</sup> . Various models. Sprinkling range of 4–11 m depending on model.* Infinitely variable sector setting between 25° and 360° depending on the model. With memory function.	For areas up to 140 m <sup>2</sup> .* Adjustable spray width, range and water flow. Swivelling sprinkler head. Turbo-driven pop-up sprinklers and oscillating pop-up sprinklers can be used together in one irrigation line	For areas up to 350 m <sup>2</sup> .* Up to 50 key contour points can be stored. With memory function.
Article No. 2722	Article No. 1569	Article No. 8203	Article No. 8220	Article No. 1559

## GARDENA Pipeline

The GARDENA Pipeline is permanently routed underground. That means you won't need long hoses in your garden anymore. Simply click it into place and use water right where you need it.



#### Water Connector

Underground built-in water tapping point with automatic stop valve.

Article No. 8250



#### Spiral Hose Box

Underground built-in water tapping point including 10 m spiral hose and classic nozzle.

Article No. 8253



#### Starter Set for Garden Pipeline

Starter set for garden pipeline with connecting point, 2 water connectors and pipe connectors.

Article No. 8255

# GARDENA Micro-Drip-System

With a GARDENA Micro-Drip-System, you irrigate all plants outside of the lawn in a targeted and water-saving way. Ornamental- or vegetable plants, outdoor crops, tender shoots in the greenhouse, and balcony or patio plants are supplied with water through constant drops, a light trickling or a gentle mist spray. The soil is gently and evenly moistened without too much water evaporating, leaking or flowing away. The GARDENA Micro-Drip-System is flexible and easy to install thanks to the "Quick & Easy" – Simple Connection Technology. And used with a GARDENA Water Computer, everything is fully automatic – it couldn't be more convenient.

## System overview

Dispensers for different applications

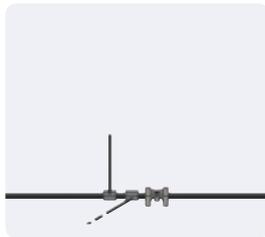
### System start



#### System start

Pressure-reducing basic unit and centralised fertiliser addition

### Connection technology



#### Connection technology

Individual design encompassing patented Quick & Easy connection technology

### Dispensers depending on the application

#### Plant pots

Terrace/balcony

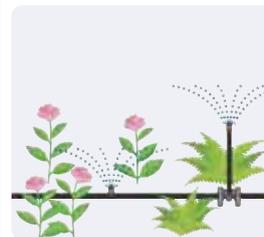


#### Drip heads

Precise drip irrigation at the root

#### Planted areas

Flowers/kitchen garden beds



#### Spray nozzles

Soft, fine-spray irrigation

#### Rows of plants

Hedges/sensitive edible crops



#### Drip pipes

Precise root irrigation for hedges and sensitive plants

## Selected GARDENA Micro-Drip-System products and their application

For targeted and water-saving irrigation of your plants with different water requirements.



Set

### Plant pots

Drip heads for uniform soaking of the ground without evaporation

#### Micro-Drip-System Start Set Flower Pots M

The GARDENA Micro-Drip-System starter set for plant pots provides easy and water-saving irrigation of plant pots and plants troughs.

For seven plant pots and three planting troughs.

Can be extended as required.



Set

### Planted areas

Spray jets for soft, fine spray irrigation

#### Micro-Drip-System Start Set Planted Areas

The GARDENA Micro-Drip-System starter set for planting areas is used for convenient irrigation of flowerbeds and vegetable beds, and is ideal for short growing seasons in vegetable beds.

For 40 m<sup>2</sup> flowerbed/kitchen garden bed.

Can be extended as required.



Set

### Rows of plants

Drip tubes for precise root irrigation for hedges and sensitive plants

#### Micro-Drip-System Start Set Rows of Plants M

The GARDENA Micro-Drip-System starters sets for rows of plants are used for convenient and water-saving irrigation of rows.

For 25 metres of hedge. Can be extended to

max. 100 m.

Article No.

13001

Article No.

13015

Article No.

13011

## Control water

With the GARDENA irrigation control system, you water your garden completely automatically. Simply set when you would like your garden to be watered and enjoy your free time.

Item description	 <b>Water Timer</b>	 <b>Water Computer FlexControl</b>	 <b>Water Computer MultiControl</b>	 <b>Water Computer SelectControl</b>
Use	For sprinklers, MDS <sup>1</sup>	For sprinklers, MDS <sup>1</sup> , Sprinklersystem	For sprinklers, MDS <sup>1</sup> , Sprinklersystem	For sprinklers, MDS <sup>1</sup> , Sprinklersystem
Watering duration	5–120 min.	1–1 h 59 min.	1–7 h 59 min.	1–2 h 59 min.
Watering frequency	–	variabel	variabel	variabel
Start of watering	when activated	freely selectable	freely selectable	freely selectable
Energy supply	mechanical	battery (1 × 9 V)	battery (1 × 9 V)	battery (1 × 9 V)
Article No.	1169	1883	1862	1885

<sup>1</sup> MDS = Micro-Drip-System

Item description	 <b>Soil Moisture Sensor</b>	 <b>Rain Sensor electronic</b>	 <b>Water Distributor automatic</b>
	Interrupts or prevents automatic irrigation when soil is sufficiently moist.	Interrupts or prevents automatic irrigation at the onset of rain.	For fully automatic control of up to 6 watering accessories (e. g. for flower boxes, lawns, potted plants, beds and hedges).
Compatible with	GARDENA Water Computers, GARDENA Water Timer	GARDENA Water Computers, GARDENA Water Timer	GARDENA Water Computer MasterControl
Article No.	1188	1189	1197

### TIPS AND TRICKS

Slugs and snails like moist conditions and are especially active in the evening. If you water in the evenings, you are getting the soil nice and wet and perfect for the snails. Therefore, it is best to water in the morning, because the water has seeped into the ground by the time the midday heat hits.



# GARDENA pump systems

If you are looking for a convenient way to use rain water, then you need a pump that provides reliable pressure. After all, your garden should always be watered evenly. Simply use the water from cisterns, rain water tanks or wells. Environmental responsibility and the high price of drinking water make using rain water a great alternative. GARDENA has the right pump for all purposes.

## Why choose pumps?

Water should be available everywhere in your garden. Why not use the free supply of rain water from cisterns, rain barrels or wells? Use it to water your garden or to supply your home with water.

With pumps from GARDENA, you can simply convey the water to where it is needed. What's more, you can do this in a flexible way so water can be transported to exactly where it's needed at just the right time. The pumps are powerful, reliable and easy to operate. The pump is made from environmentally friendly materials. They are high-quality and economical in operation. GARDENA pumps have existed for 35 years.



## Overview of GARDENA pump systems



### Drainage

Submersible pumps and waste water pumps are drainage pumps. They may be used to pump water out of pools, ponds or cellars, or out of foundation pits that have filled up. You can pump out a large amount of water in a very short space of time with a high level of functional reliability. The rapid automatic pumping operation prevents the worst kinds of water damage from occurring.



### Irrigation

Irrigation pumps such as garden pumps, rain water tank pumps, submersible pressure pumps and deep well pumps can be used to draw water from wells, cisterns and rain barrels. They water your garden with consistency, power, convenience and reliability. They also conserve drinking water and resources.



### Domestic water supply

Domestic water supplies consist of automatic domestic water systems, pressure tank units, and automatic submersible pressure pumps. Use water from alternative sources for toilet flushing or the washing machine. It's a convenient way to pump water that also conserves resources and drinking water.

## Pumping water

Why not simply use water from a cistern, rain water tank or well to water your garden – with pumps from GARDENA? There are also suitable models for draining and water supply purposes.

### Watering

Item description	 <b>Comfort Rain Water Tank 4000/2 automatic</b>	 <b>Classic Submersible Pressure Pump 5500/3</b>
Rated power	500 W	900 W
Max. delivery capacity	4000 l/h	5500 l/h
Max. delivery head/pressure	20 m/2.0 bar	30 m/3.0 bar
Max. submersion depth	7 m	12 m
Power cable	10 m (H05 RNF)	15 m (H07 RNF)
Sprinkler connection capacity	1	2
Weight	approx. 6 kg	approx. 9.6 kg
Special features	Automatic on/off switching Integrated Dry-Running Safety	Fastening rope: 15 m Float Switch for Dry-Running Safety
Article No.	1742	1461



#### Classic Garden Pump Set 3000/4

Set comes complete with pump 3000/4, 3.5 m suction unit and 20 m 13 mm (1/2") hose and Original GARDENA System fittings

Measured SWL (dB)A	87
Guaranteed SWL (dB)A	88
Measurment. uncert. (dB)A	–
Article No.	1717

### Draining

Item description	 <b>Comfort Submersible Pump 9000 aquasensor</b>	 <b>Comfort Dirty Water Pump 8500 aquasensor</b>
Rated power	320 W	380 W
Max. delivery capacity	9000 l/h	8300 l/h
Max. delivery head/pressure	7 m/0.7 bar	6 m/0.6 bar
aquasensor	automatically starts at a water level of 5 mm	automatically starts at a water level of 65 mm
Max. submersion depth	7 m	7 m
Max. particle size	5 mm	30 mm
Weight	approx. 3.8 kg	approx. 4.0 kg
Article No.	1783	1797

### Supplying Water for Domestic Use

Item description	 <b>Comfort Electronic Pressure Pump 5000/5 LCD</b>	 <b>Classic Pressure Tank Unit 4000/5 eco</b>
Rated power	1300 W	850 W
Max. delivery capacity	5000 l/h	3500 l/h
Max. delivery head/pressure	50 m/5.0 bar	45 m/4.5 bar
Cut-in pressure	3.2 bar ± 0.2 bar	1.5 bar ± 0.1 bar
Max. suction height	8 m	8 m
Sprinkler connection capacity	2	2
Special feature	LCD display	–
Measured SWL (dB)A	75	78.5
Guaranteed SWL (dB)A	79	81
Article No.	1759	1754



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**More about GARDENA**

This brochure only covers a part of the GARDENA product assortment. On the Internet at [www.gardena.com](http://www.gardena.com), you will find the entire range and also useful tips for garden work

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